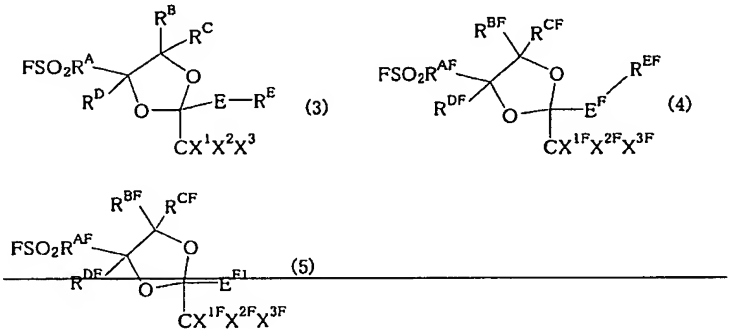
ABSTRACT OF THE DISCLOSURE

A fluorosulfonyl group-containing compound having a high polymerization reactivity, a process for its production, a sulfonyl group-containing polymerizable monomer led from the sulfonyl group-containing compound, and a polymer obtainable by polymerizing the sulfonyl group-containing polymerizable monomer~~, are provided. A compound (3) is fluorinated to form a compound (4), and then, the compound (4) is subjected to a decomposition reaction to produce a compound (5). A preferred compound (5-1) of the compound (5) is thermally decomposed to produce a compound (7-1) having a high polymerization reactivity.~~



~~wherein R^A is a bivalent organic group such as a fluoroalkylene group, R^{AF} is a group having R^A fluorinated, or the same group as R^A, each of R^B to R^D which are independent of one another, is a hydrogen atom, etc., each of R^{BF} to R^{DF} is a fluorine atom, etc., R^E is a monovalent organic group, R^{EF} is a group having R^E fluorinated, or the same group as R^E, E is a bivalent connecting group, E^F is the same group as E, or a group having E fluorinated, E^{F1} is a group formed by scission of E^F, each of X^1 to X^3 is a hydrogen atom, etc., and each of X^{1F} to X^{3F} is a fluorine atom, etc.~~